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TITLE: VULCANIZED RUBBER COMPOSITION
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ABSTRACT:

PURPOSE: To regenerate a reclaimed rubber chip material with good processability in a short time, by adding a hydroxyl group-terminated polybutadiene as a binder and a polyisocyanate as a curing agent and then sulfur and heating and solidifying the compsn. in regenerating the reclaimed rubber chip material.

CONSTITUTION: A hydroxyl group-terminated polybutadiene (e.g., trade name: Polybd R-45HT) as a binder and a polyisocyanate (e.g., isophorone diisocyanate) as a curing agent are mixed with a reclaimed rubber chip material. A vulcanized rubber compsn. is prepd. by adding thereafter sulfur to the mixture, heating the compsn. and solidifying it. It is thereby possible to improve adhesiveness between the chip material and the binder based on a vulcanizing action of the sulfur and moreover to cure even a thick part in a short time based on a urethane reaction of the polyisocyanate. The obtd. vulcanized rubber compsn. is suitably used as an insulating material for vibration and sound, etc.

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